

## 企业能力 ENTERPRISE COMPETENCE

---

### ■专业能力 PROFESSIONAL COMPETENCE

以专业为服务，以满意为品质。我们拥有一支专业知识丰富、熟知市场品味并能预测市场需求趋势的杰出设计师队伍，能够针对不同的客户群体、不同的室内外需求，为企业提供全面、准确、完整的视觉形象解决方案。客户的建筑意图，我们会深知，客户的建筑要求，我们来达成，客户的外在形象，我们来维护！

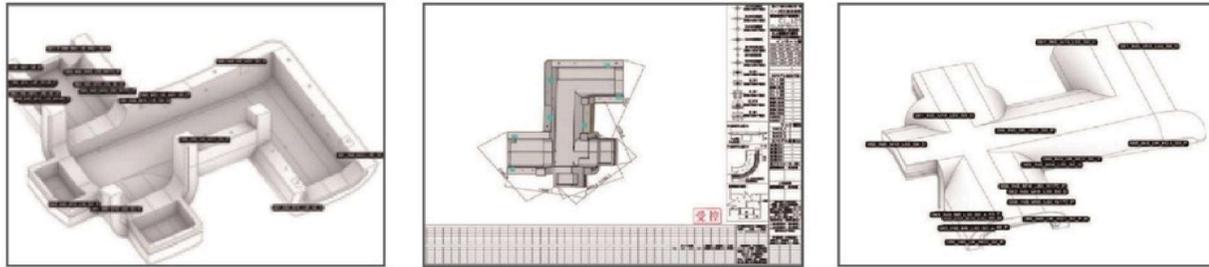
Professional as service,satisfaction as quality.We have a team of outstanding designers with rich professional knowledge,be familiar with market taste and be able to predict market demand trends,and can provide comprehensive,accurate and complete visual image solutions for enterprises for different customer groups and different indoor and outdoor needs.The customer's architectural intention,we will be well aware,the customer's building requirements,we to achieve,the customer's external image,we to maintain!

#### 图纸深化



### ■生产能力 PRODUCTION CAPACITY

“工欲善其事，必先利其器”。先进的尖端生产设备与设施、精湛的工艺与系统化操作流程以及实时更新的制造技术和多样化产品结构，我们始终坚持以客户的需求为导向，一直坚守生产和安全兼顾，产量与质量并存，精益求精，勇毅前行，您的信任和选择，才是我们最大的动力！

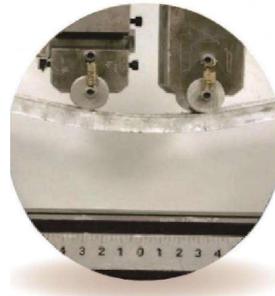


■ 品控管理 QUALITY CONTROL MANAGEMENT

信誉来源于质量，质量来源于管控。从原料把控、生产加工、产品制成、成品检测入库、产品售后质量的跟踪，都有一套完整严格的质量控制和管理链。我们的品控团队始终牢记品控职责、端正工作态度、掌握科学管控方法，尽心协力，一丝不苟，产品合格率屡创新高！

Reputation comes from quality, and quality comes from a complete and strict quality control and management chain from raw material control, production and processing, product production, finished product testing and storage, product installation and after-sales quality tracking. Our quality control team always keeps in mind the quality control responsibilities, corrects the working attitude, masters scientific control methods, works hard and meticulously, and the product qualification rate has reached a new high!

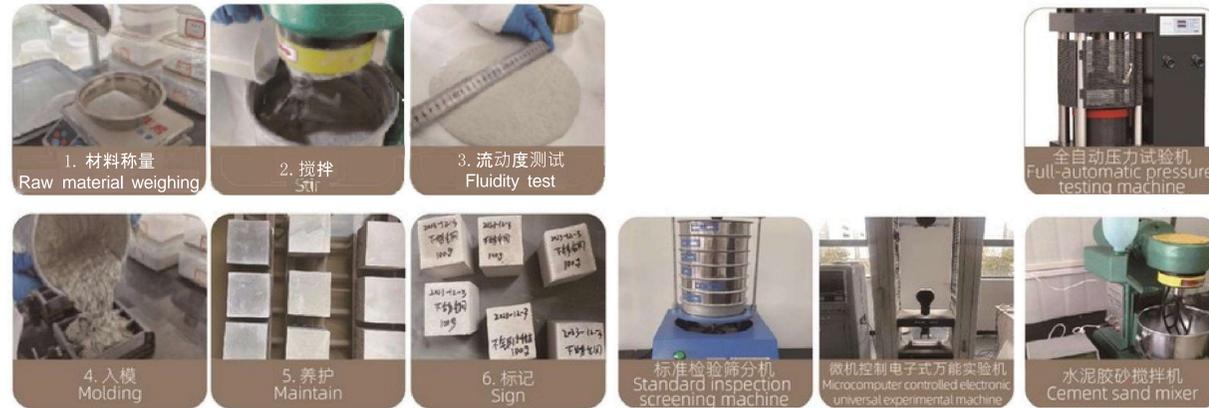
■ 采购管理 PURCHASING MANAGEMENT



严格控制原材料的各项参数，  
确保产品的品质保证

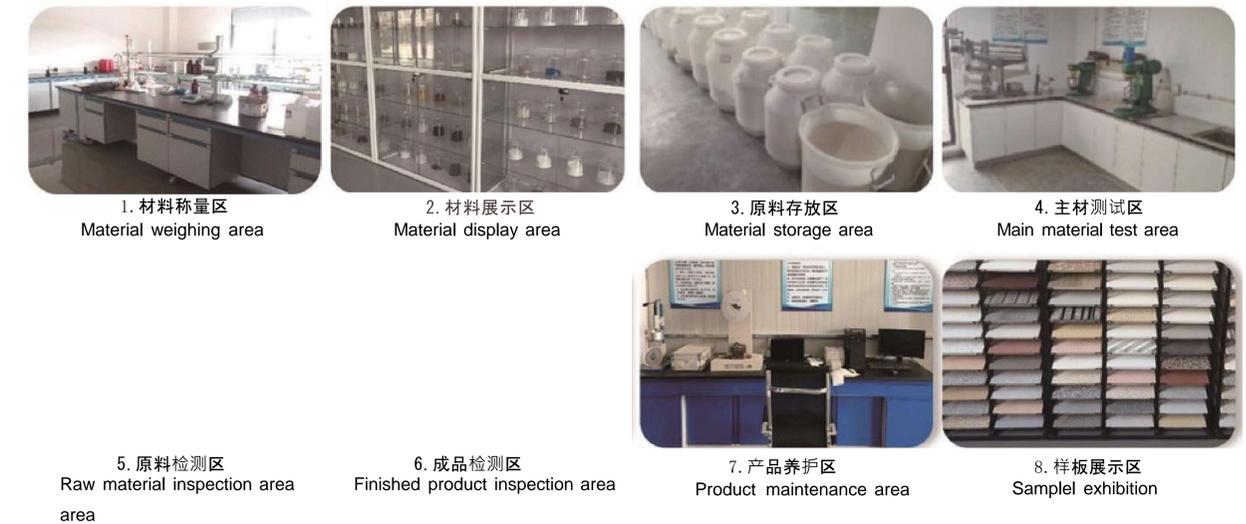


**试件制作**  
TEST-PIECE FABRICATION



**实验室主要设备**  
LABORATORY MAIN EQUIPMENT

**实验室**  
LABORATORY



**生产流程**  
PRODUCTION PROCESS



**生产设备介绍**  
INTRODUCTION TO PRODUCTION EQUIPMENT

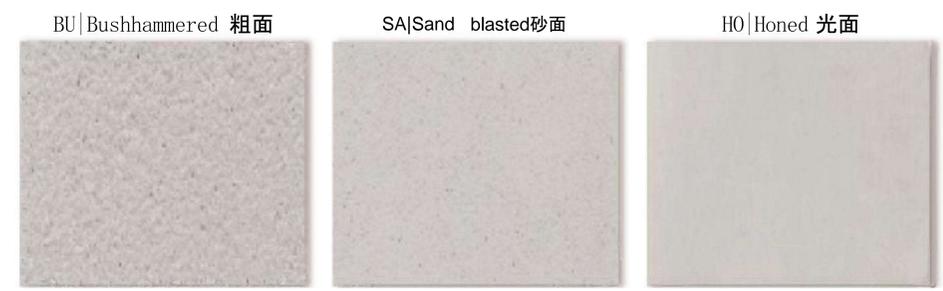


# UHPC材料表面效果示例

## EXAMPLES OF SURFACE EFFECTS OF UHPC MATERIALS

# 样品中心

## SAMPLE CENTER



Provide special texture and color customization, with a project size of no less than 1000 m<sup>2</sup>  
 可提供特殊的纹理和颜色定制，项目规模不小于1000m<sup>2</sup>。

# UHPC 产品介绍

## UHPC PRODUCT INTRODUCTION

### ■ UHPC 超高性能混凝土 UHPC ULTRA HIGH PERFORMANCE CONCRETE

UHPC 超高性能混凝土是一种新型高技术混凝土，采用常规材料和工艺生产，具有混凝土结构所要求的各项力学性能，具有高耐久性、高工作性和高体积稳定性的混凝土。超高性能混凝土以耐久性作为设计的主要指标，针对不同用途要求，对下列性能重点予以保证：耐久性、作性、适用性、强度、体积稳定性和经济性。为此，超高性能混凝土在配置上的特点是采用低水胶比，选用优质原材料。

High-performance concrete is a new type of high-tech concrete, produced by conventional materials and processes, with various mechanical properties required by concrete structure, and concrete with high durability, high workability and high volume stability. High-performance concrete takes durability as the main index of design, and the following performance priorities are guaranteed for different use requirements: durability, Operability, applicability, strength, volume stability and economy. For this reason, the configuration of high-performance concrete is characterized by a low water-to-adhesive ratio and the selection of high-quality raw materials.

UHPC 以超高的强度、韧性和耐久性优势，成为实现水泥基材料性能大跨越的新材料体系。

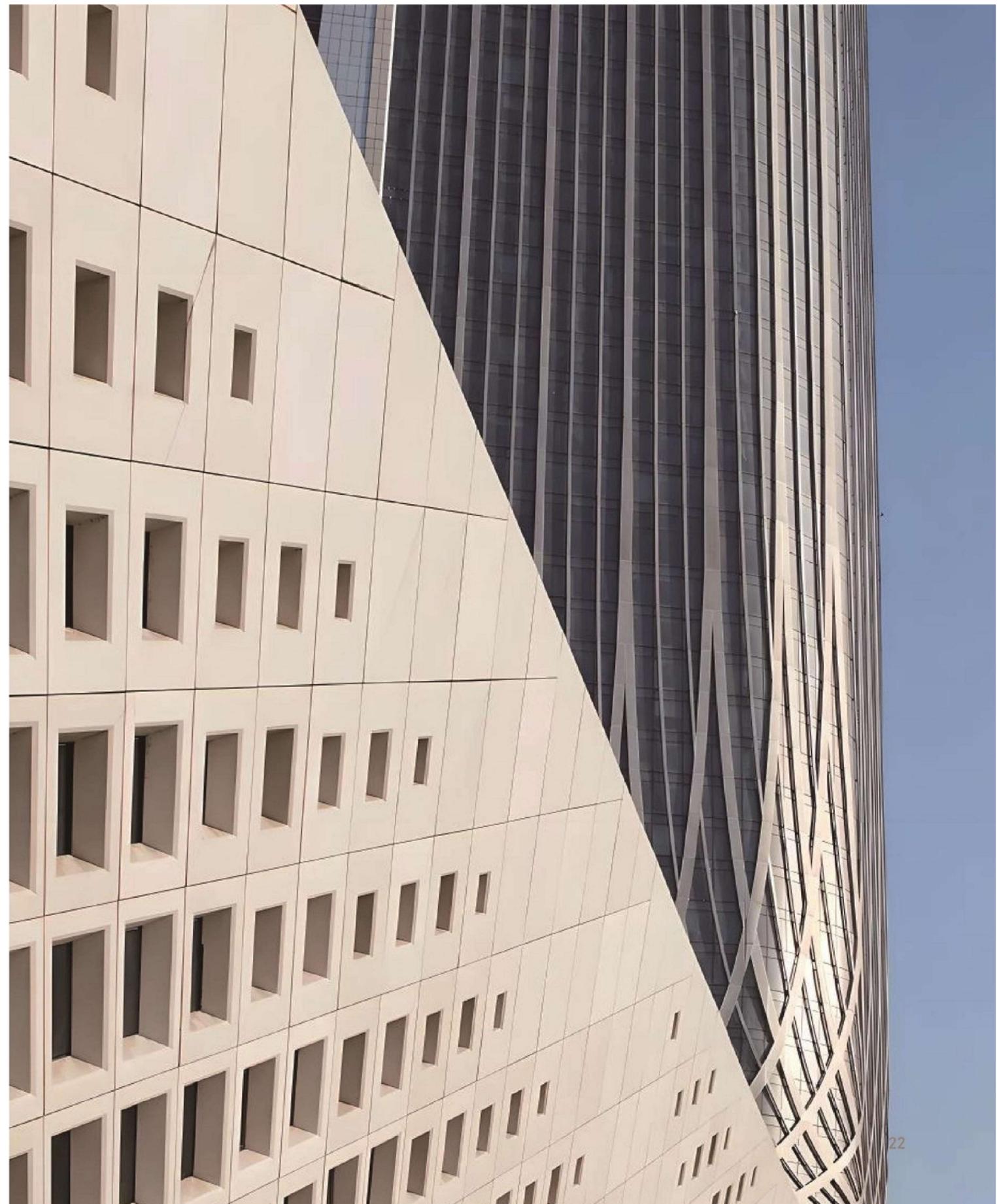
UHPC is characterized by ultra-high strength, toughness and durability. It has become a new material system to realize the great leap forward in the performance of cement-based materials.

UHPC 除了抗压、抗弯强度的优势之外，弹性模量是GRC 的2倍以上，超低的吸水率及耐污染能力，不易发生变形，产品可以做的更薄，且只需要更少的钢架支撑。

In addition to the difference in compressive strength, the elasticity of UHPC is more than two times that of GRC. It is not easy to deform. The product can be made thinner and it requires less steel frame support.

UHPC 不同于传统的高性能混凝土(HPC) 或玻璃纤维增强混凝土(GRC)，而是具有超高的物理力学性能指标和任意可塑性的水泥基结构工程及幕墙装饰材料。

UHPC is different from traditional high performance concrete(HPC) or glass fiber reinforced concrete(GRC). It is a cement-based structural engineering material with supreme mechanical property and ultra-high malleability, it can be shape into any shape as client required.



■ UHPC 和其他混凝土材料物理性能对比  
PERFORMANCE COMPARISON BETWEEN UHPC AND OTHER CEMENT-BASED MATERIALS

材料性能 MATERIAL PROPERTIES	普通混凝土OPC ORDINARY CONCRETE OPC	高性能混凝土HPC HIGH-PERFORMANCE CONCRETE HPC	超高性能混凝土UHPC ULTRA-HIGH PERFORMANCE CONCRETE UHPC
水胶比 Water binder ratio	0.4-0.6	0.24-0.35	0.16-0.24
最大骨料粒径/mm Maximum aggregate size/mm	19-25	9.5-13	1-2
抗压强度/MPa Compressive strength/MPa	≥30	≥60	≥120
极限抗弯强度/MPa Ultimate bending strength/MPa			13-35
弹性模量/GPa Modulus of elasticity/GPa	20-45	30-50	35-55
吸水率/% Water absorption 1%	<14%	<6%	≤1.5%
抗冻融性能 Freeze thaw resistance	25-50次冻融循环无起层剥落等破坏现象	100次冻融循环	200次冻融循环
抗表面剥蚀性能 Corrosion resistance			
徐变系数 Creep Coefficient	2.35	1.6-1.9	0.8-1.2
<p>「那些意想不到的、不规则的、突然的、令人惊奇的东西是美的核心部分和根本属性」 这是法国19世纪最著名的现代诗人夏尔·皮埃尔·皮德莱尔的一句诗， 也许这句诗道出了非线性建筑中最本质的“诗意的美好”</p> <p>“Those unexpected, irregular, sudden and amazing things are the core and fundamental attributes of beauty” This is a poem by Charles Pierre piedelaire, the most famous modern poet in France of the 19th century. Perhaps this poem shows the most essential “poetic beauty” in nonlinear architecture</p>			

■ UHPC 和其他材料性能对比  
PERFORMANCE COMPARISON BETWEEN UHPC AND OTHER MATERIALS

性能指标 PERFORMANCE INDEX	天然石材 NATURAL STONE	铝单板 ALUMINUM SINGLE PANEL	陶土板 TERRACOTTA BOARD	超高性能混凝土UHPC ULTRA-HIGH PERFORMANCE CONCRETE UHPC
上墙成板单位面积重量 Weight per unit area of upper wall plate	100kg(厚度25mm) Thickness25mm	12KG(厚度3mm) Thickness3mm	45KG(厚度15mm) Thickness15mm	37KG(厚度15mm) Thickness15mm
表面肌理 Surface texture	雕刻, 成本很高 High Carving Cost	较单一 Relatively Single Texture	单一线性 Single Linear Texture	表面肌理丰富, 模具成型, 无痕迹 Multi Texture, Mould forming with no trace
曲面成型 Curved surface forming	单板块曲面成型难度较大, 费用高 Single plate curved surface forming is difficult and expensive	单板块曲面成型难度较大, 费用高 Single plate curved surface forming is difficult and expensive	小板块曲面成型 Small plate surface forming	通过模具成型, 简易模具费用低, 形态不受限制 Unlimited shape, moulding forming with low cost
转角-收边 Corner trimming	转角和收边处理很困难 Corner and edge trimming are difficult to handle	焊接-折边 Welding-flanging	收边较好 Good edging	模具整体成型, 无痕迹 The mold is integrally formed without trace
分格尺寸 Grid size	标准尺寸宽度<1000mm, 面积<1 Standard size, width<1000mm, area<1	长度<300m, 宽度<1500mm Length<3000mm, width<1500mm	以陶棍或陶板的形式, 面积小 In the form of ceramic plate, the block area is small	分块整体性好, 易制作异型及曲面 非线性板块, 最大可达40m² Special-shaped plates, up to 40m²
安全性 Security	较好 Good	较好 Good	较好 Good	很好, 强度高于石材 Very good, stronger than stone
色彩 color	固定单一 Fixed	涂装 Painting	固定单一 Fixed	同质透心, 任意调节 Homogeneous penetrating, arbitrary adjustment
技术标准(国际) Technical standards (International)	有 yes	有 yes	有 yes	有 Yes.
防火性能 Fire resistance	A级, 不燃体, 熔点1,000°。钢结构不需要防火涂装 Class A, incombustible, melting point more than 1,000° degrees.	A级, 不燃体, 熔点660℃, 钢结构要做防火涂料 Class A, incombustible, melting point more than 6,000 ° degrees.	A级, 煅烧成型耐高温 Class A, calcined, high temperature resistant	A级, 不燃体, 熔点1,000℃。钢结构不需要防火涂装 Class A, incombustible, melting point 1,000° . Fireproof coating is not required for stel structure
吸水率 Water absorption	<2%	不吸水 No water absorption	<10%	≤1.5%(防护后≤0.6%) <5%(after protection<4%)
表面自洁 Surface self-cleaning	好, 表面需作防水处理 good, the surface needs to be waterproof	国产氟碳喷涂一般, 有静电, 易吸附灰尘 Domestic fluorocarbon spraying with static electricity and easy to absorb dust	好 无静电, 不吸附灰尘 Good, no static electricity, no dust	好, 表面需做防水处理 Good, the surface needs to be waterproof
使用寿命 life span	石材受环境湿度影响大, 产生水斑、石化、风化、修黄等病变 Stones are greatly affected by environmental humidity, resulting in water spots, petrification, weathering, yellowing and other diseases	25年 25 years	基本与建筑同寿命 Same life span as the building	与建筑同寿命 Same life span as the building